

OIPE

RAW SEQUENCE LISTING

DATE: 06/07/2001

PATENT APPLICATION: US/09/852,845

TIME: 11:34:55

Input Set : A:\SeqList.txt

Output Set: C:\CRF3\06072001\I852845.raw

ENTERED

3 <110> APPLICANT: Godfrey, Wayne
 4 Buck, David
 5 Engleman, Edgar G.
 7 <120> TITLE OF INVENTION: Receptor on the Surface of Activated T-Cells: ACT-4
 9 <130> FILE REFERENCE: 16524.010
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/852,845
 C--> 11 <141> CURRENT FILING DATE: 2001-05-11
 11 <150> PRIOR APPLICATION NUMBER: US 08/472,940
 12 <151> PRIOR FILING DATE: 1995-06-06
 14 <150> PRIOR APPLICATION NUMBER: US 08/147,784
 15 <151> PRIOR FILING DATE: 1993-11-03
 17 <160> NUMBER OF SEQ ID NOS: 2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1058
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <223> OTHER INFORMATION: (15)..(845)
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: ACT-4-h-1 cDNA
 31 <400> SEQUENCE: 1
 33 cagcagagac gagg atg tgc gtg ggg gct cgg cgg ctg ggc cgc ggg ccg 50
 34 Met Cys Val Gly Ala Arg Arg Leu Gly Arg Gly Pro
 35 1 5 10
 37 tgt gcg gct ctg ctc ctc ctg ggc ctg ggg ctg agc acc gtg acg ggg 98
 38 Cys Ala Ala Leu Leu Leu Leu Gly Leu Gly Leu Ser Thr Val Thr Gly
 39 15 20 25
 41 ctc cac tgt gtc ggg gac acc tac ccc agc aac gac cgg tgc tgc cac 146
 42 Leu His Cys Val Gly Asp Thr Tyr Pro Ser Asn Asp Arg Cys Cys His
 43 30 35 40
 45 gag tgc agg cca ggc aac ggg atg gtg agc cgc tgc agc cgc tcc cag 194
 46 Glu Cys Arg Pro Gly Asn Gly Met Val Ser Arg Cys Ser Arg Ser Gln
 47 45 50 55 60
 49 aac acg gtg tgc cgt ccg tgc ggg ccg ggc ttc tac aac gac gtg gtc 242
 50 Asn Thr Val Cys Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val
 51 65 70 75
 53 agc tcc aag ccg tgc aag ccc tgc acg tgg tgt aac ctc aga agt ggg 290
 54 Ser Ser Lys Pro Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly
 55 80 85 90
 57 agt gag cgg aag cag ctg tgc acg gcc aca cag gac aca gtc tgc cgc 338
 58 Ser Glu Arg Lys Gln Leu Cys Thr Ala Thr Gln Asp Thr Val Cys Arg
 59 95 100 105
 61 tgc cgg gcg ggc acc cag ccc ctg gac agc tac aag cct gga gtt gac 386
 62 Cys Arg Ala Gly Thr Gln Pro Leu Asp Ser Tyr Lys Pro Gly Val Asp
 63 110 115 120
 65 tgt gcc ccc tgc cct cca ggg cac ttc ttc cca ggc gac aac cag gcc 434

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66 Cys Ala Pro Cys Pro Pro Gly His Phe Ser Pro Gly Asp Asn Gln Ala
67 125 130 135 140
69 tgc aag ccc tgg acc aac tgc acc ttg gct ggg aag cac acc ctg cag 482
70 Cys Lys Pro Trp Thr Asn Cys Thr Leu Ala Gly Lys His Thr Leu Gln
71 145 150 155
73 ccg gcc agc aat agc tgc gac gca atc tgt gag gac agg gac ccc cca 530
74 Pro Ala Ser Asn Ser Ser Asp Ala Ile Cys Glu Asp Arg Asp Pro Pro
75 160 165 170
77 gcc acg cag ccc cag gag acc cag ggc ccc ccg gcc agg ccc atc act 578
78 Ala Thr Gln Pro Gln Glu Thr Gln Gly Pro Pro Ala Arg Pro Ile Thr
79 175 180 185
81 gtc cag ccc act gaa gcc tgg ccc aga acc tca cag gga ccc tcc acc 626
82 Val Gln Pro Thr Glu Ala Trp Pro Arg Thr Ser Gln Gly Pro Ser Thr
83 190 195 200
85 cgg ccc gtg gag gtc ccc ggg ggc cgt gcg gtt gcc gcc atc ctg ggc 674
86 Arg Pro Val Glu Val Pro Gly Gly Arg Ala Val Ala Ala Ile Leu Gly
87 205 210 215 220
89 ctg ggc ctg gtg ctg ggg ctg ctg ggc ccc ctg gcc atc ctg ctg gcc 722
90 Leu Gly Leu Val Leu Gly Leu Leu Gly Pro Leu Ala Ile Leu Leu Ala
91 225 230 235
93 ctg tac ctg ctc cgg agg gac cag agg ctg ccc ccc gat gcc cac aag 770
94 Leu Tyr Leu Leu Arg Arg Asp Gln Arg Leu Pro Pro Asp Ala His Lys
95 240 245 250
97 ccc cct ggg gga ggc agt ttc cgg acc ccc atc caa gag gag cag gcc 818
98 Pro Pro Gly Gly Gly Ser Phe Arg Thr Pro Ile Gln Glu Glu Gln Ala
99 255 260 265
101 gac gcc cac tcc acc ctg gcc aag atc tgaccttgggc ccaccaaggt 866
102 Asp Ala His Ser Thr Leu Ala Lys Ile
103 270 275
105 ggacgctggg ccccgccagg ctggagcccg gagggctctgc tgggcgagca gggcaggtgc 926
107 aggccgcctg ccccgccacg ctctgtgggc aactctgcac cgttctaggt gccgatggct 986
109 gcctccggct ctctgcttac gtatgccatg catacctcct gccccgcggg accacaataa 1046
111 aaaccttggc ag 1058
114 <210> SEQ ID NO: 2
115 <211> LENGTH: 277
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <220> FEATURE:
120 <223> OTHER INFORMATION: deduced amino acid sequence of ACT-4-h-1
122 <400> SEQUENCE: 2
124 Met Cys Val Gly Ala Arg Arg Leu Gly Arg Gly Pro Cys Ala Ala Leu
125 1 5 10 15
127 Leu Leu Leu Gly Leu Gly Leu Ser Thr Val Thr Gly Leu His Cys Val
128 20 25 30
130 Gly Asp Thr Tyr Pro Ser Asn Asp Arg Cys Cys His Glu Cys Arg Pro
131 35 40 45
133 Gly Asn Gly Met Val Ser Arg Cys Ser Arg Ser Gln Asn Thr Val Cys
134 50 55 60
136 Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val Ser Ser Lys Pro

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```

137 65                               70                               75                               80
139 Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly Ser Glu Arg Lys
140                               85                               90                               95
142 Gln Leu Cys Thr Ala Thr Gln Asp Thr Val Cys Arg Cys Arg Ala Gly
143                               100                              105                              110
145 Thr Gln Pro Leu Asp Ser Tyr Lys Pro Gly Val Asp Cys Ala Pro Cys
146                               115                              120                              125
148 Pro Pro Gly His Phe Ser Pro Gly Asp Asn Gln Ala Cys Lys Pro Trp
149                               130                              135                              140
151 Thr Asn Cys Thr Leu Ala Gly Lys His Thr Leu Gln Pro Ala Ser Asn
152 145                               150                              155                              160
154 Ser Ser Asp Ala Ile Cys Glu Asp Arg Asp Pro Pro Ala Thr Gln Pro
155                               165                              170                              175
157 Gln Glu Thr Gln Gly Pro Pro Ala Arg Pro Ile Thr Val Gln Pro Thr
158                               180                              185                              190
160 Glu Ala Trp Pro Arg Thr Ser Gln Gly Pro Ser Thr Arg Pro Val Glu
161                               195                              200                              205
163 Val Pro Gly Gly Arg Ala Val Ala Ala Ile Leu Gly Leu Gly Leu Val
164                               210                              215                              220
166 Leu Gly Leu Leu Gly Pro Leu Ala Ile Leu Leu Ala Leu Tyr Leu Leu
167 225                               230                              235                              240
169 Arg Arg Asp Gln Arg Leu Pro Pro Asp Ala His Lys Pro Pro Gly Gly
170                               245                              250                              255
172 Gly Ser Phe Arg Thr Pro Ile Gln Glu Glu Gln Ala Asp Ala His Ser
173                               260                              265                              270
175 Thr Leu Ala Lys Ile
176                               275

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/852,845

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TIME: 11:34:56

Input Set : A:\SeqList.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date